



genes



an Open Access Journal by MDPI

Genetics and Genomics Applied to Aquatic Animal Science

Guest Editors:

Dr. Shaokui Yi

College of Life Sciences, Huzhou University, Huzhou 313000, China

Dr. Cong Zeng

School of Oceanography, Shanghai Jiao Tong University, Shanghai 200240, China

Deadline for manuscript submissions:

closed (20 November 2023)

Message from the Guest Editors

Aquatic animals play critical roles in global food supply and have become one of the primary sources for human diets. Genetic improvement of economic traits via molecular selective breeding has become increasingly important to help meet the rising food demand driven by human population growth. In particular, the genetics and genomics of aquatic animals provide huge opportunities for genetic gains in breeding programmes.

With the continuous advances in sequencing techniques and bioinformatics, genetics and genomics have been widely used in breeding studies of aquatic animals in recent years. Additionally, with the aid of RNA-seq and whole genome sequencing or resequencing methods, we could accurately evaluate the genetic regulation patterns and genetic backgrounds of aquatic resources.

In this Special Issue, we welcome papers in the field of the genetics and genomics of aquatic animals, including the identification of candidate functional genes or QTLs related to important traits and genetic resource evaluation with genome-wide markers. Manuscripts focusing on the application of high-throughput sequencing approaches and biotechnological innovations will be appreciated.



mdpi.com/si/171191

Special Issue



genes



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Selvarangan Ponnazhagan

Department of Pathology, The
University of Alabama at
Birmingham, 1825 University
Blvd, SHEL 814, Birmingham, AL
35294-2182, USA

Message from the Editor-in-Chief

Genes are central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fastmoving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised.

Why not consider *Genes* for your next genetics paper?

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Embase, PubAg, and other databases.

Journal Rank: JCR - Q2 (*Genetics & Heredity*) / CiteScore - Q2 (*Genetics*)

Contact Us

Genes Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/genes
genes@mdpi.com
[X@Genes_MDPI](https://twitter.com/Genes_MDPI)